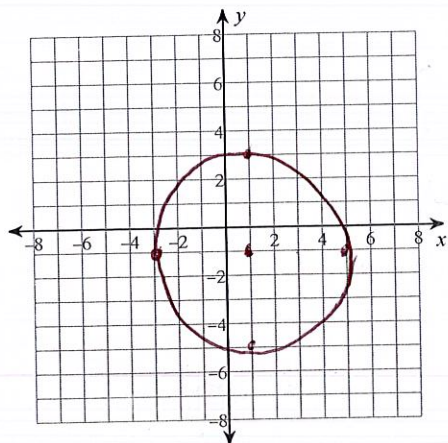


# Practice Circles Quiz

Date \_\_\_\_\_ Period \_\_\_\_\_

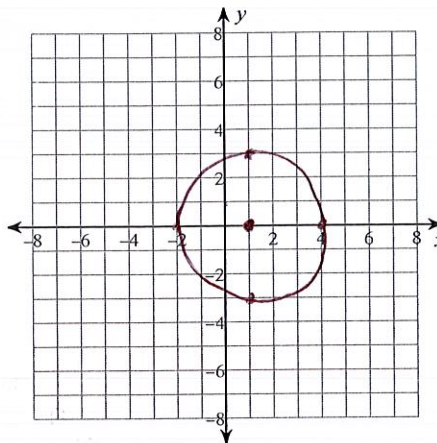
Identify the center and radius of each. Then sketch the graph.

1)  $(x - 1)^2 + (y + 1)^2 = 16$



center:  $(1, -1)$   
radius:  $\sqrt{16} = 4$

2)  $(x - 1)^2 + y^2 = 9$



center:  $(1, 0)$   
radius:  $\sqrt{9} = 3$

Use the information provided to write the equation of each circle.

3) Center:  $(-10, 0)$   
Radius: 6

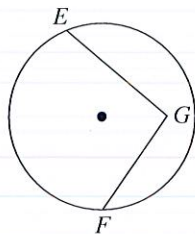
$$(x + 10)^2 + y^2 = 36$$

4) Center:  $(-5, 10)$   
Radius: 8

$$(x + 5)^2 + (y - 10)^2 = 64$$

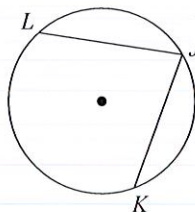
State if each angle is an inscribed angle. If it is, name the angle and the intercepted arc.

5)



No!

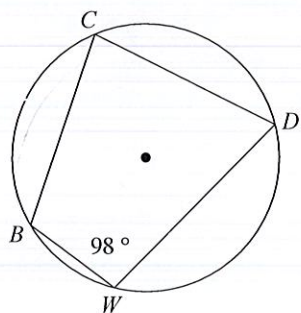
6)



Yes,  $\angle LJK$   
intercepts  $\widehat{LK}$

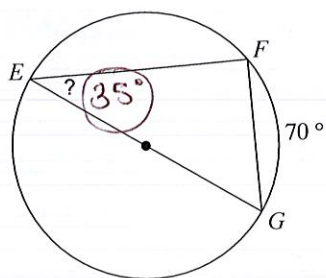
Find the measure of the arc or angle indicated.

7) Find  $m\widehat{BCD}$

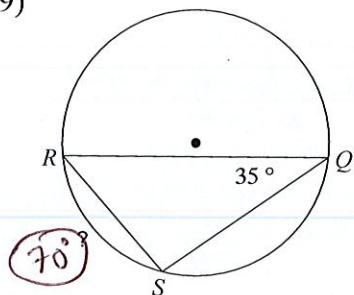


$$m\widehat{BCD} = 196^\circ$$

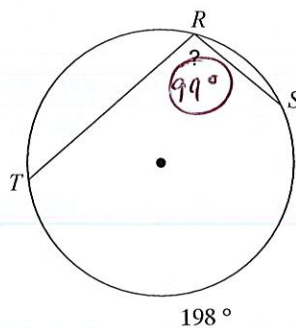
8)



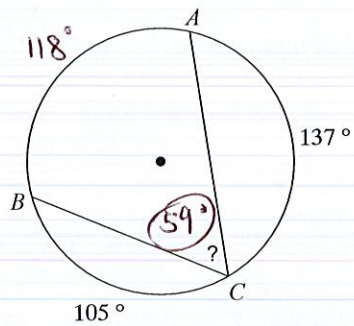
9)



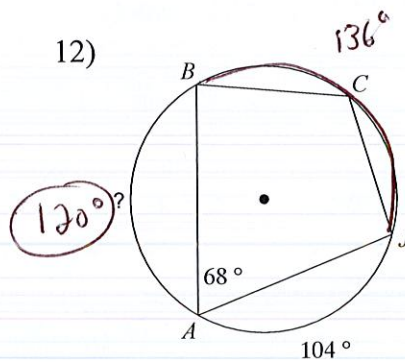
10)



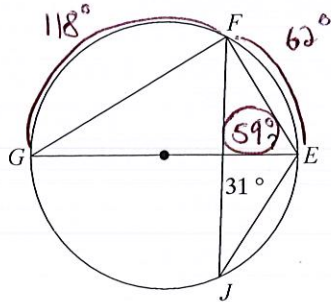
11)



12)

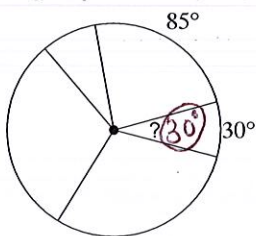


★ 13)

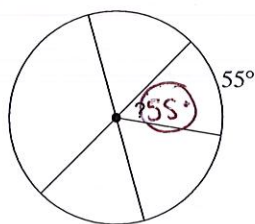


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

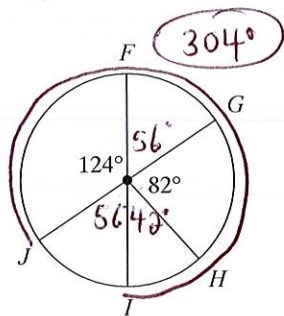
15)



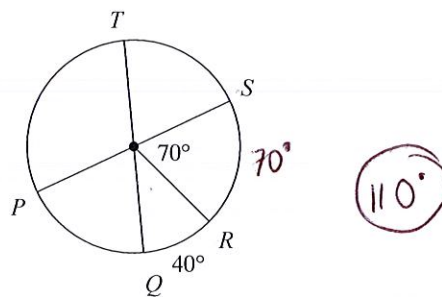
16)



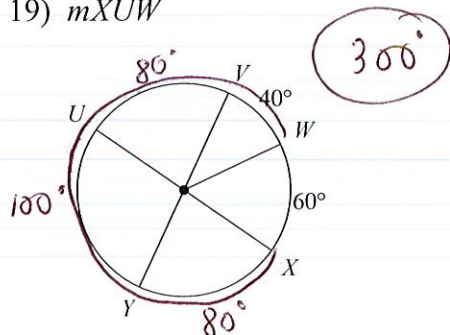
17)  $m\widehat{JGI}$



18)  $m\widehat{SQ}$



19)  $m\widehat{XUW}$



20)  $m\angle XTY$

